

Product datasheet for **SR500029**

Tmub1 Rat siRNA Oligo Duplex (Locus ID 362301)

Product data:

Product Type:	siRNA Oligo Duplexes
Purity:	HPLC purified
Quality Control:	Tested by ESI-MS
Sequences:	Available with shipment
Stability:	One year from date of shipment when stored at -20°C.
# of transfections:	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
Note:	Single siRNA duplex (10nmol) can be ordered.
RefSeq:	NM_001080153 , NM_198781
UniProt ID:	Q53AQ4
Synonyms:	Hops
Components:	Tmub1 (Rat) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 362301) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The protein encoded by this gene belongs to a group of integral ubiquitin-like domain containing proteins that are involved in a range of cellular processes. In mouse, the protein exists in uncleaved transmembrane forms as well as a cleaved form that shuttles between the nucleus and cytoplasm. During liver regeneration in rat, it has been shown that the protein shuttles from the cytoplasm to the nucleus to inhibit hepatocyte proliferation. Homozygous null mutant mice display normal development and physiology but exhibit a strong increase in locomotor activity during the dark phase of the light:dark cycle, indicating a function in behavioral regulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]



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**Performance
Guaranteed:**

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled siRNA control (quantitative RT-PCR data required).